

SEQUENCE LISTING

<110> MARINE BIOTECHNOLOGY INSTITUTE CO., LTD.

<120> NOVEL CHEMICAL SUBSTANCE HAVING MORPHOGENETIC AND GROWTH-ACCELERATING ACTIVITIES

<130> PH-1841-PCT

<140> US/10/767, 260

<141> 2004-01-30

<150> JP2002/203608

<151> 2002-07-12

<160> 4

<170> Patent In Ver. 2. 1

<210> 1

<211> 190

<212> DNA

<213> Tenacibaculum sp.

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CGCGTGTAGG AAGACTGCCC TATGGGTTGT AAACTACTTT TATATGGGAA GAAACCCCTC 120
TTACGTGTAG AGGCTTGACG GTACCATAAG AATAAGCACC GGCTAACTCC GTGCCAGCAG 180
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<210> 2

<211> 189

<212> DNA

<213> Unknown

<220>

<223> DNA nucleotide sequence of V3 region in 16S rRNA of YM-2-23 strain being identified as Cytophaga-Flavobacterium-Bacteriodes complex

<400> 2

CCTACGGAG GCAGCAGTGA GGAATATTGG ACAATGGGCG GGAGCCTGAT CCAGCCATGC 60
CGCGTGCGGG AAGAAGGCCC TATGGGTCGT AAACCGCTTT TATACGGGAA GAAACCACCC 120
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<212> DNA

<213> Tenacibaculum sp.

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TTTAGAAGAG GTTTAACAAG TACTTTAAAG AAATATGCAG ATACTTCTGG ATTACTAAAG 600
AACGTTAAGT TTGAGATTTC TGGAGATGAT TTCCGTGAAG GTTTAACGGC AATTGTATCT 660
GTAAAAAGTAG CTGAACCTCA GTTTGAAGGA CAAACAAAAA CAAAATTAGG AAACAGAGAA 720
GTTACTTCTG CAGTATCGCA AGCTGTAGCA GAAATGTTAA CTGATTATTT AGAGGAAAAT 780
CCTAATGATG CTAAAACGAT TGTACAAAAA GTAATTCTTG CAGCTCAAGC GCGTCACGCA 840
GCTCGTAAAG CAAGAGAAAT GGTGCAACGT AAAACAGTAA TGAGTATTGG AGGTTTACCT 900
GGTAAACTAT CTGATTGTTC TGAAACTGAT CCAGCAGTTT GTGAAATTTT CTTAGTCGAG 960
GGAGATTCGG CAGGTGGAAC TGCAAAACAA GGTCGTGATC GTAATTTCCA AGCAATTTTA 1020
CCCTTACGTG GTAAGATTCT TAACGTAGAA AAAGCGATGC AGCATAAAGT TTTTGAGAAT 1080
GAAGAAAATCA AAAACATGTT TACGGCTTTA GGAATCACTA TCGGAACAGA AGAAGATCCA 1140
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<210> 4

<211> 1173

<212> DNA

<213> Unknown

<220>

<223> DNA nucleotide sequence of gyrB gene of YM-2-23 strain being identified as
Cytophaga-Flavobacterium-Bacteriodes complex

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AAAGCTACCG TACATAGAGA TGGGAAAGTT TGGGAACAGG AATATGAACG GGGTAAATCC 120

CTTTATCCCG TAAAAAAGTGT TGGGGAGACC GATGAAACTG GAACCATTGT TACCTTCATA 180

CCAGATGATT CAATCTTTAC CCAAACAACA GAGTATAGTT ATGAGACCCT TGCCAACAGA 240

ATGCGTGAGC TTTCGTTCTT GAACAAAGGG GTTACCATTA GCATTACGGA CAAAAGAGTA 300

AAGGATAAAG AAGGGGAGTA CCTTTCTGAA ACTTTTTATT CCGATGCTGG ACTAAGTGAA 360

TTTGTTAAGT TCTTGGATGG TACCCGTGAA CCTTTGATTC AAGGGGTTAT CGCGATGGAA 420

GGGGAGAAAA ATGGTATCCC TGTGGAAGTG GCAATGGTTT ACAACACCAG TTACACGGAG 480

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AAATTGAAGT	TTGAGGTTCA	GGGAGATGAT	TTCCGTGAAG	GACTTACAGC	AATTGTTTCC	660
GTTAAGGTCG	CAGAACCTCA	ATTTGAAGGT	CAGACGAAAA	CCAAGCTTGG	AAACCGCGAG	720
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CCACTAAGGG	GTAAAATCTT	GAACGTGGAA	AAAGCCATGC	AGCACAAGGT	TTTTGAAAAT	1080
GAGGAAATAA	AGAATATTTA	TACGGCCCTA	GGGGTTACTA	TTGGAACGGA	AGAAGATAGT	1140
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